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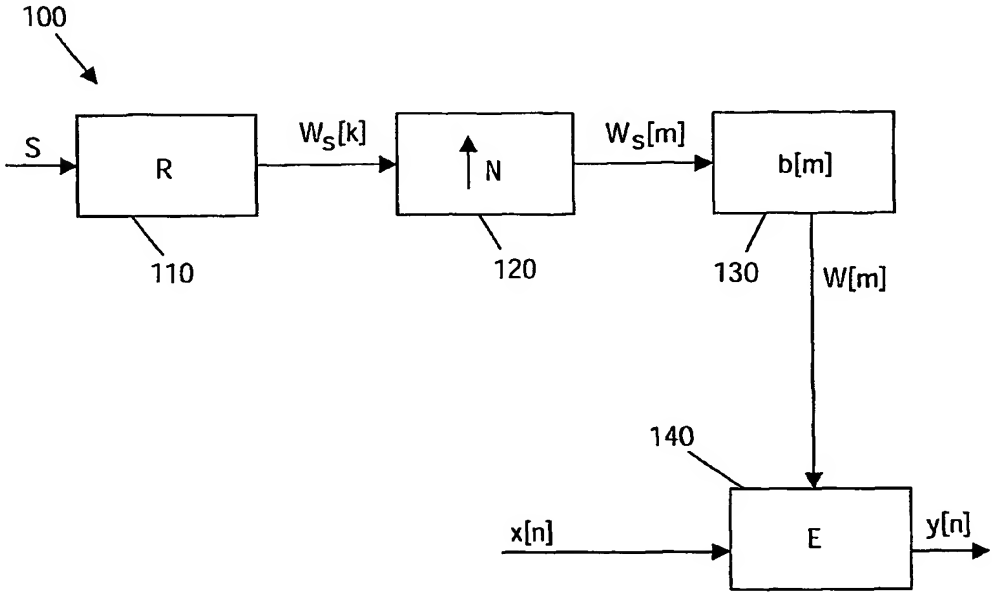
(54) Title: WATERMARKING OF MULTIMEDIA SIGNALS



(57) Abstract: The invention concerns a method and apparatus for embedding and detecting watermarks in a digital host signal. In the embedding method a watermark sequence of length *Lw/N* bits carrying predetermined information is generated and then up-sampled by a factor N (preferably N=2). At intermediate sampling points of the up-sampled sequence a modified version of the watermark sequence (in preferred arrangements the negative thereof) is inserted to form a compound watermark sequence of length *Lw*. The compound watermark sequence is then combined with the host signal to watermark the host signal. The invention finds particular advantage in that the need for a spectral whitening stage in the detector is done away with.

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